

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application. Please amend the claims as follows:

Listing of Claims:

1. (Currently amended) One or more processor-accessible storage media comprising processor-executable instructions that, when executed, direct a device to perform actions comprising:
 - accepting a plurality of files, each file of the plurality of files corresponding to a respective file type and including source code, wherein at least two files have different file types;
 - associating a build provider with each file of the plurality of files in accordance with the corresponding respective file type;
 - ascertaining the source code of each file of the plurality of files via the associated build provider; and
 - compiling the ascertained source code of each file of the plurality of files into an assembly.
2. (Currently amended) The one or more processor-accessible storage media as recited in claim 1, comprising the processor-executable instructions that, when executed, direct the device to perform a further action comprising:
 - accessing a data structure that maps respective file types of a plurality of file types to respective build providers of a plurality of build providers.
3. (Currently amended) The one or more processor-accessible storage media as recited in claim 1, comprising the processor-executable instructions that, when executed, direct the device to perform a further action comprising:
 - instantiating the associated build provider for each file of the plurality of files.
4. (Currently amended) The one or more processor-accessible storage media as recited in claim 1, wherein the action of compiling comprises an action of:

launching a compiler that performs a compilation on the ascertained source code of each file of the plurality of files to create the assembly.

5. (Currently amended) The one or more processor-accessible storage media as recited in claim 1, wherein at least a portion of the processor-executable instructions comprise at least part of an operating system.

6. (Currently amended) The one or more processor-accessible storage media as recited in claim 1, wherein at least a portion of the processor-executable instructions comprise at least part of a program that is capable of establishing a runtime environment.

7. (Currently amended) The one or more processor-accessible storage media as recited in claim 1, wherein the one or more processor-accessible media comprise at least one of (i) one or more storage media, and (ii) ~~one or more transmission media.~~

8. (Currently amended) One or more processor-accessible storage media comprising processor-executable instructions that, when executed, direct a device to perform actions comprising:

creating an associated build provider for each associated file of a plurality of files, wherein at least two files have different file types;

giving each associated build provider a path to its associated file;

requesting each associated build provider to contribute code of its associated file; and

compiling the contributed code of each associated file into an assembly.

9. (Currently amended) The one or more processor-accessible storage media as recited in claim 8, comprising the processor-executable instructions that, when executed, direct the device to perform a further action comprising:

accepting the plurality of files, each file of the plurality of files corresponding to a different file type.

10. (Currently amended) The one or more processor-accessible storage media as recited in claim 9, wherein the action of creating further comprises an action of:

instantiating the associated build provider for each associated file of the plurality of files according to the corresponding different file type of each associated file.

11. (Currently amended) The one or more processor-accessible storage media as recited in claim 8, comprising the processor-executable instructions that, when executed, direct the device to perform a further action comprising:

asking each associated build provider for its usable code language.

12. (Currently amended) The one or more processor-accessible storage media as recited in claim 8, comprising the processor-executable instructions that, when executed, direct the device to perform a further action comprising:

receiving one or more resources from at least one associated build provider.

13. (Currently amended) The one or more processor-accessible storage media as recited in claim 12, wherein the action of compiling further comprises an action of:

compiling the contributed code of each associated file and the one or more resources from at least one associated build provider into the assembly.

14. (Currently amended) The one or more processor-accessible storage media as recited in claim 8, wherein the action of compiling further comprises an action of:

constructing at least one of an object code file, an executable file, a dynamically linked library (DLL) file, and an intermediate language (IL) file.

15. (Currently amended) The one or more processor-accessible storage media as recited in claim 8, wherein the action of giving further comprises an action of:

calling a file path interface on each associated build provider.

16. (Currently amended) The one or more processor-accessible storage media as recited in claim 8, wherein the action of requesting further comprises an action of:

calling a generate code interface on each associated build provider.

17. (Currently amended) The one or more processor-accessible storage media as recited in claim 8, comprising the processor-executable instructions that, when executed, direct the device to perform a further action comprising:

acquiring the contributed code of each associated file via each associated build provider responsive to the action of requesting.

18. (Currently amended) The one or more processor-accessible storage media as recited in claim 17, wherein the action of acquiring further comprises at least one of the following actions:

retrieving the contributed code from a stipulated path location;

retrieving the contributed code from a created code object; and

retrieving the contributed code as a code compile unit.

19. (Original) A device comprising:

at least one processor; and

one or more media including a data structure that is capable of being accessed by the at least one processor, the data structure comprising:

a first entry that includes a first file type and a denotation of a first build provider, the first build provider adapted to handle files of the first file type during a compilation;

a second entry that includes a second file type and a denotation of a second build provider, the second build provider adapted to handle files of the second file type during a compilation; and

a third entry that includes a third file type and a denotation of a third build provider, the third build provider adapted to handle files of the third file type during a compilation;

wherein the first entry maps the first file type to the first built provider, the second entry maps the second file type to the second build provider, and the third entry maps the third file type to the third build provider.

20. (Original) The device as recited in claim 19, wherein the first build provider is capable of generating source code from files of the first type, the second build provider is

capable of generating source code from files of the second type, and the third build provider is capable of generating source code from files of the third type.

21. (Currently amended) One or more processor-accessible storage media comprising a build provider that is tailored for a particular file type, the build provider adapted to generate code from files corresponding to the particular file type and to contribute the generated code to a compilation.

22. (Currently amended) The one or more processor-accessible storage media as recited in claim 21, wherein the build provider is capable of interacting with other software that is capable of compiling an assembly involving multiple respective files that correspond to multiple respective files.

23. (Currently amended) The one or more processor-accessible storage media as recited in claim 21, wherein the build provider is configured to contribute code for compilations, the compilations involving files that correspond to other file types.

24. (Currently amended) The one or more processor-accessible storage media as recited in claim 23, wherein the build provider is configured to contribute code for compilations (i) by writing to a code file object, (ii) by writing to a stipulated file path location, and/or (iii) by generating a code compile unit that presents code as a language-independent structure.

25. (Currently amended) One or more processor-accessible storage media comprising software that is adapted to create, maintain, and/or use a data structure that has a plurality of entries, each respective entry of the plurality of entries including a respective file type and a denotation of a respective build provider; the respective build provider adapted to generate code from files of the respective file type and to contribute the generated code to a compilation.

26. (Currently amended) The one or more processor-accessible storage media as recited in claim 25, wherein the data structure comprises a build provider registration mapping data structure.

27. (Currently amended) The one or more processor-accessible storage media as recited in claim 25, wherein the software is further adapted to orchestrate the compilation, the compilation involving multiple files corresponding to multiple file types; each respective file type of the multiple file types having a respective entry in the plurality of entries.

28. (Currently amended) One or more processor-accessible storage media comprising processor-executable instructions that expose an application programming interface (API), the application programming interface including:

- a first property that is adapted to accept a path that identifies a file to which the processor-executable instructions is to be associated;

- a second method that is adapted to indicate a language used by code that is part of the file; and

- a third method that is adapted to precipitate (i) generation of the code from the file and (ii) contribution of the generated code to a compilation.

29. (Currently amended) One or more processor-accessible storage media comprising processor-executable instructions that, when executed, direct a device to perform actions comprising:

- receiving a path that identified a particular file having particular code and corresponding to a particular file type, the processor-executable instructions corresponding to the particular file type; and

- contributing the particular code of the particular file to a compilation involving multiple files.

30. (Currently amended) The one or more processor-accessible storage media as recited in claim 29, comprising the processor-executable instructions that, when executed, direct the device to perform a further action comprising:

indicating a usable code language, the usable code language comprising the language of the particular code.

31. (Currently amended) The one or more processor-accessible storage media as recited in claim 29, comprising the processor-executable instructions that, when executed, direct the device to perform a further action comprising;

generating the particular code from the particular file.

32. (Currently amended) The one or more processor-accessible storage media as recited in claim 29, comprising the processor-executable instructions that, when executed, direct the device to perform a further action comprising:

submitting one or more resources for inclusion in the compilation.

33. (Currently amended) The one or more processor-accessible storage media as recited in claim 29, wherein the processor-executable instructions correspond to the particular file type such that the processor-executable instructions are capable of generating source code from files generally that correspond to the particular file type

34. (Currently amended) The one or more processor-accessible storage media as recited in claim 29, wherein the action of contributing comprises at least one of the following actions:

writing the particular code to a created object;

writing the particular code to a stipulated path location; and

using a code object model provider to generate a code compile unit from the particular code.

35. (Currently amended) A computer readable medium encoding an [[An]] arrangement for software build extensibility, comprising:

association means for associating a build provider with each respective file of a plurality of files in accordance with a respective file type that corresponds to the respective file;

ascertainment means for ascertaining code of each respective file of the plurality of files via the associated build provider; and

compilation means for compiling the ascertained code of each respective file of the plurality of files into an assembly.

36. (Currently amended) The ~~arrangement~~ computer readable medium as recited in claim 35, further comprising:

contribution means for contributing the code of each respective file of the plurality of files to the ascertainment means as at least one of a code object, a file path location, and a code compile unit.

37. (Currently amended) The ~~arrangement~~ computer readable medium as recited in claim 35, wherein the arrangement comprises at least one device.

38. (Currently amended) The ~~arrangement~~ computer readable medium as recited in claim 35, wherein the arrangement comprises one or more processor-accessible storage media.